

claim 24

member 24 -- and after "cavities" insert --37--

IN THE CLAIMS:

Please amend Claim 1 as follows:

1. (Twice Amended) An electrical connector for making an electrical connection to an electrical conductor sheathed by an insulative covering, the connector comprising:

5 a body defining a recess for receiving an insulated portion of the electrical conductor; and

37
10 electrical contact means movably connected to said body in a direction substantially perpendicular to a longitudinal axis of the conductor when said conductor is positioned in said recess, said contact means having an end portion adapted to displace the insulative covering of said portion of the insulated conductor and make an electrical connection with said conductor upon movement of said electrical contact means into contact with the insulative covering, said end portion defining a cavity with an opening asymmetrically positioned with respect to a longitudinal center axis of said contact means, said body having knife edged protrusion means extending into said recess for insulation displacement and electrical connection on a side of the electrical conductor substantially opposite to said contact means, said body being electrically conductive with said knife edged protrusions means, said electrical contact means being electrically connected to said conductive body.

Please cancel Claims 2, 3 and 4 without prejudice.

Please amend Claim 5 as follows:

105. (Once Amended) An electrical connector as claimed in claim 1, wherein:

3
said body defines a contact passage with internal threads;
said contact means includes an external screw thread for engaging said internal
threads of said contact passage [in the conductor receptacle], wherein rotation of the
5 contact means about said longitudinal center axis causes relative movement between
said contact means and said body to cause said contact means end portion to protrude
into said recess and make electrical connection with the insulated conductor
positioned in said recess.

Claim 6 has not been changed by this Amendment and remains as follows:

6. An electrical connector as claimed in claim 5, wherein:

said body includes a spring loaded block biased towards said recess;
said contact means engages said spring loaded block to bias said contact means
against said conductor subsequent to insulation displacement.

Claim 7 has not been changed by this Amendment and remains as follows:

7. An electrical connector as claimed in claim 1, wherein:

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said contact means has means for movement relative to said body;

one of said contact means and said body includes means for biasing said contact means against said conductor.

[Please amend Claim 8 as follows:]

38. (Once Amended) An electrical connector according to claim 1, wherein:
said end portion of said contact means includes an insulation cutting surface for displacing the insulative [layer] covering, said cutting surface including edges of said opening of said cavity.

Claim 9 has not been changed by this Amendment and remains as follows:

9. An electrical connector according to claim 1, wherein:
said end portion of said contact means is domed and smooth.

Claim 10 has not been changed by this Amendment and remains as follows:

10. An electrical connector according to claim 1, wherein:
said contact means is formed as a screw threaded bolt having a substantially rounded end with a radially and axially extending cutting edge,

Claim 11 has not been changed by this Amendment and remains as follows:

11. An electrical connector according to claim 1, wherein:
a jointing compound is provided on said end portion of said contact means.

Please amend Claim 12 as follows:

12. (Once Amended) An electrical connector according to claim 1, wherein:
said [contact means end portion has a] cavity [which] is filled with jointing
compound.

Please amend Claim 13 as follows:]

13. (Once Amended) An electrical connector according to claims [9] 1, wherein:
[a jointing compound receiving] another cavity filled with jointing compound is
positioned where said contact means engages said body to increase electrical contact.

Claim 14 has not been changed by this Amendment and remains as follows:

14. An electrical connector according to claim 12, wherein:
an outer edge of said cavity serves as a cutting edge.

Claim 15 has not been changed by this Amendment and remains as follows:

15. An electrical connector according to claim 1, wherein:
a plurality of angularly displaced contact means are positioned about said
recess.

Claim 16 has not been changed by this Amendment and remains as follows:

16. An electrical connector as claimed in claim 1, wherein:

15 said knife edged protrusion means are concavely part-circular when viewed in a lengthwise direction of extent of said recess.

Claim 17 has not been changed by this Amendment and remains as follows:

17. An electrical connector as claimed in claim 16, wherein:

16 said knife-edged protrusion means are substantially semi-circular when viewed in the lengthwise direction of extent of said recess.

Claim 18 has not been changed by this Amendment and remains as follows:

18. An electrical connector as claimed in claim 16, wherein:

17 said recess has a cross-sectional form of two opposed semi-circular portions interconnected by straight line portions, and with said knife-edged protrusion means being disposed at one of said semi-circular portions;

5 said electrical contact means being arranged at another of said semi-circular portions.

Claim 19 has not been changed by this Amendment and remains as follows:

19. An electrical connector as claimed in claim 17, wherein:

18 said recess has a cross-sectional form of two opposed semi-circular portions interconnected by straight line portions, and with said knife-edged protrusion means being disposed at one of said semi-circular portions;

said electrical contact means being arranged at another of said semi-circular portions.

Claims 20 and 21 have been cancelled.

Claim 22 has not been changed by this Amendment and remains as follows:

22. An electrical connector for making electrical connection to an electrical conductor sheathed by an insulative covering, comprising:

 a body having defining a recess for receiving an insulated portion of the electrical conductor; and

 electrical contact means supported by the receptacle and moveable transversely thereto the conductor when received in the recess, the contact means having an end portion adapted to pierce the insulative covering of said portion of the insulated conductor and make electrical connection to said conductor upon such transverse movement, said end portion of said electrical contact means being of domed form substantially free of cutting edges.

Claim 23 has not been changed by this Amendment and remains as follows:

23. An electrical connector as claimed in claim 22, wherein:

 said end portion is provided with a jointing compound receiving cavity, having jointing compound therein.

Claim 24 has not been changed by this Amendment and remains as follows:

24. An electrical connector as claimed in claim 1, wherein:

 said knife edge protrusions are formed integrally with said body.

Claim 25 has not been changed by this Amendment and remains as follows:

25. An electrical connector as claimed in claim 1, wherein:

 said knife edge protrusions are formed by another electrical contact means
movably connected to said body and movable into said recess.

Please add the following new claims:

26. A connector in accordance with claim 1, wherein:

 said opening of said cavity is spaced from said longitudinal center axis of said
contact means.

27. A connector in accordance with claim 1, wherein:

 said cavity is positioned asymmetrically with respect to said longitudinal center
axis.

28. A connector in accordance with claim 27, wherein:

 said cavity is spaced from said longitudinal center axis of said contact means.